

**Drug Analysis Laboratory
UV/VIS Spectrophotometer
Monthly QC**

Instrument Manufacturer and Model: Beckman Coulter DU 800

Serial Number: 8003263

Date of QC Check: _____

Operator: _____

STEP ONE-WAVELENGTH CALIBRATION CHECK (scan Holmium Oxide filter-NIST)

INSTRUMENT SETTINGS: SEE QC PROTOCOL

WAVELENGTH TOLERANCE	279.3 _____
(+/- 0.3 nm)	287.6 _____
	333.8 _____
	360.9 _____
	386.0 _____
	418.8 _____
	445.7 _____
	453.6 _____
	460.2 _____
	536.4 _____
	637.6 _____

STEP TWO-RESOLUTION CHECK (scan USP Ephedrine HCL, instrument setting as in Step 1, USP Ephedrine HCL/Sulfate 0.5 mg/mL in 0.1N H₂SO₄)

STANDARD PREPARATION DATE: _____ (Stable for 5 years)

WAVELENGTH TOLERANCE (+/- 1 nm)	WAVELENGTH	MONTHLY QC ABSORBANCE	ORIGINAL ABSORBANCE	% OF ORIGINAL (50-150%)
	251 _____	_____ /	_____	_____
	257 _____	_____ /	_____	_____
	263 _____	_____ /	_____	_____

QC Review: _____ Date: _____

QA Review: _____ Date: _____

REFERENCES:

Calibration of Spectrophotometric Reference Materials (2003) Refmacal Labs LLC
Holmium Oxide Filter Standards, J. of Res. NIST 2007, Vol. 112, No 6, David W. Allen
MA State Laboratory Quality Assurance Program (1983) B.L. Karger; L. Gelber
Revised 11/24/2009 Julianne Nassif

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